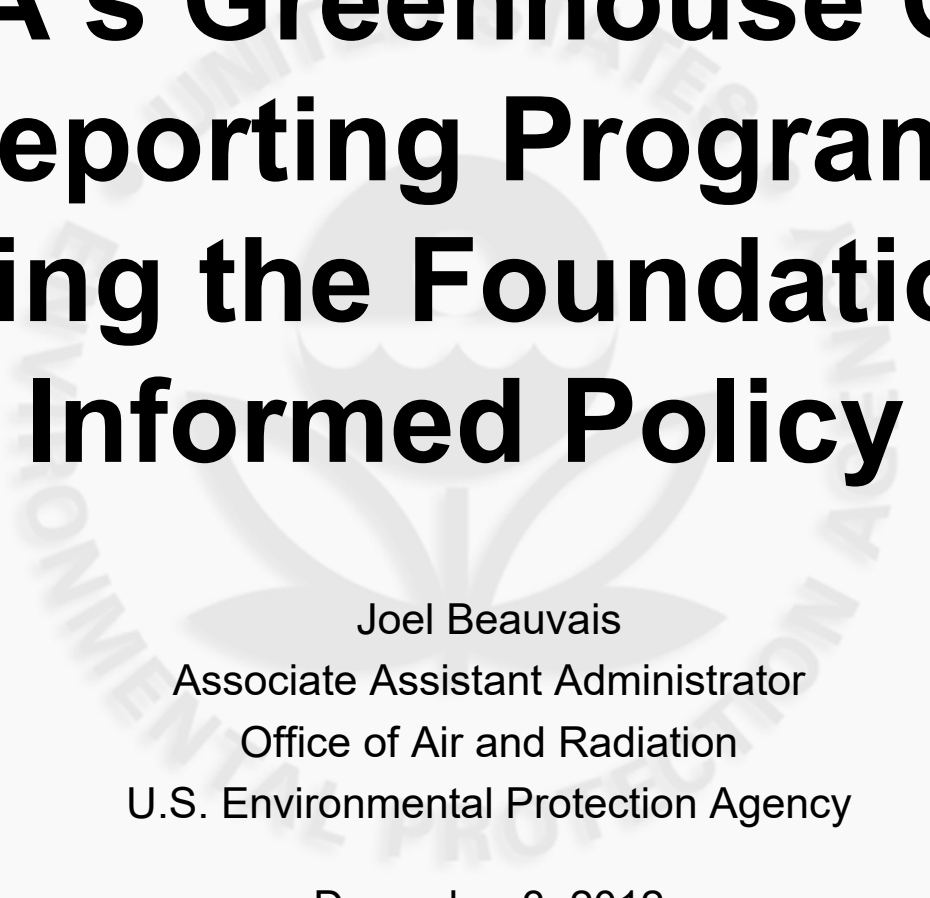




EPA's Greenhouse Gas Reporting Program: Building the Foundation for Informed Policy



Joel Beauvais
Associate Assistant Administrator
Office of Air and Radiation
U.S. Environmental Protection Agency

December 3, 2012

Presentation Outline



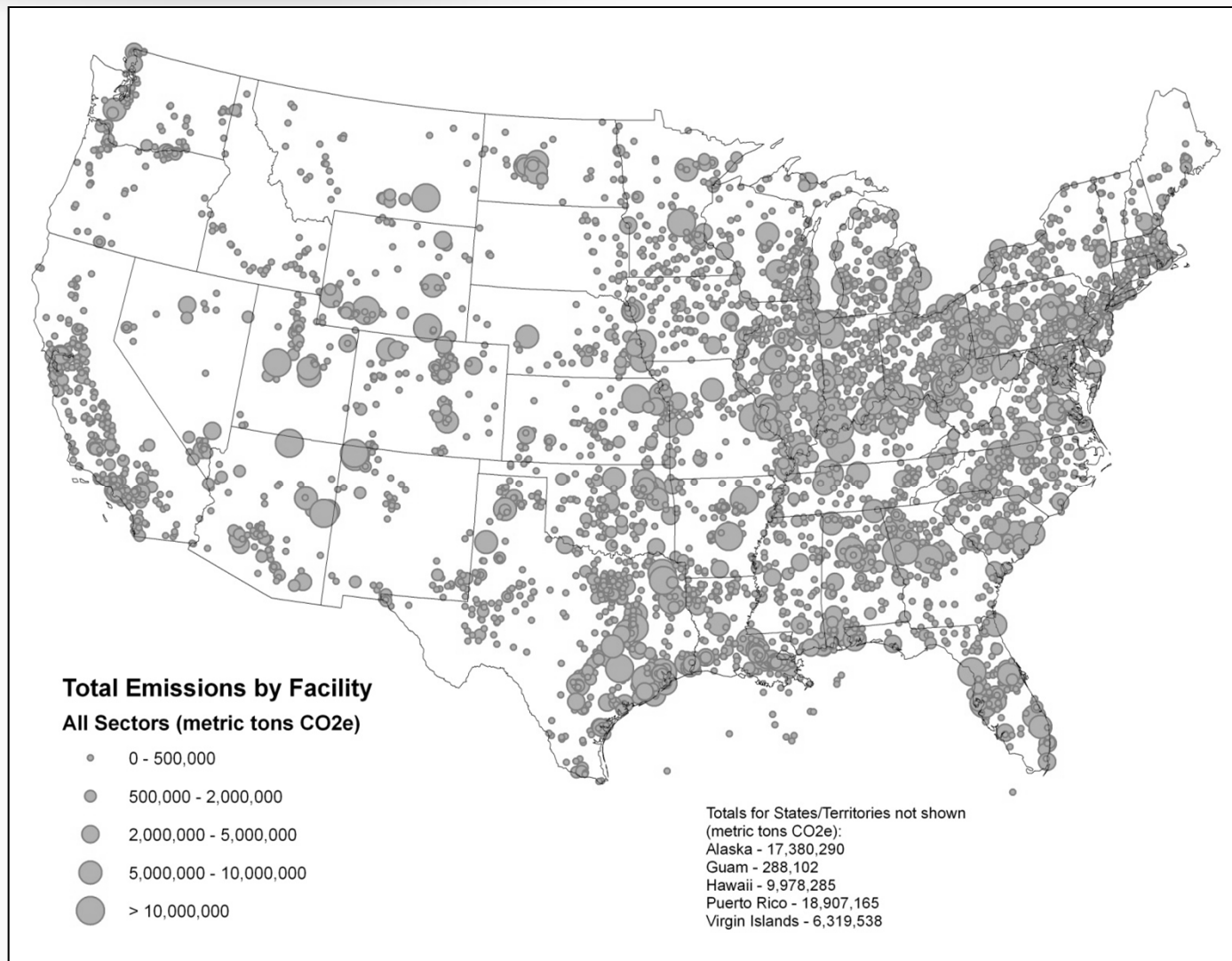
- Overview of the GHG Reporting Program
- Electronic Data Collection and Verification
- Snapshot of Reported Data
- Demonstration of the GHG Publication Tool
- Q&A

What Is EPA's Greenhouse Gas Reporting Program?



- First-of-its-kind GHG reporting from upstream and downstream sources across the U.S. economy
- Provides foundation for making informed policy, business, and regulatory decisions
- Mandatory under Clean Air Act (legally required and enforceable)
- Fully integrated electronic reporting and verification
- Transparency – all non confidential data is made available to the public
- Innovative tools for analysis and geographic visualization

Greenhouse Gas Reporting Program Reporters - 2010



How Does the Reporting Program Relate to the U.S. Inventory?



- Inventory of GHG Emissions and Sinks – annual report submitted to UNFCCC
 - Top Down approach: aggregated national data by sectors
 - Limited geographic distribution
 - Estimates based on data from variety of sources
 - Sectors defined by UNFCCC
 - Covers 100% of US GHG emissions and sinks
- Greenhouse Gas Reporting Program
 - Bottom Up approach: facility-level data above threshold
 - Geographic data collected
 - Calculated emissions from different group of industry sectors
 - Additional data collected on facilities
 - Covered 80% of US GHG emissions in Reporting Year 2010



The logo for "ghgdata" is displayed in a stylized, lowercase font. The letters are bold and have a slightly irregular, hand-drawn appearance. The logo is set against a plain white background.

Key Elements of Greenhouse Gas Reporting Program



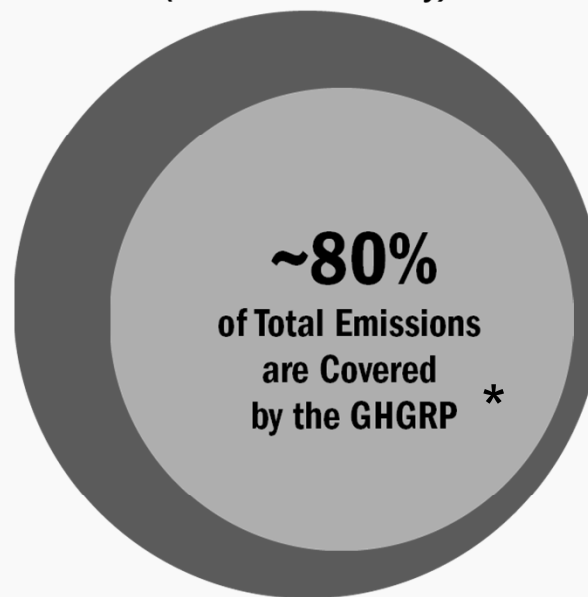
- Annual reporting of GHGs by 41 source categories:
 - 33 types of direct emitters
 - 6 types of suppliers of fuel and industrial GHG
 - Facilities that inject CO₂ underground for geologic sequestration, enhanced oil recovery, or any other purpose
- 25,000 metric ton CO₂e reporting threshold for most sources
- Direct reporting to EPA electronically
- EPA verification of emissions data



GHG Emissions Coverage: 2010



6,822
Million Metric Tons CO₂e
(from the Inventory)



*GHGRP data does not include emissions from agricultural and land use changes and sources less than 25,000 mtCO₂e.

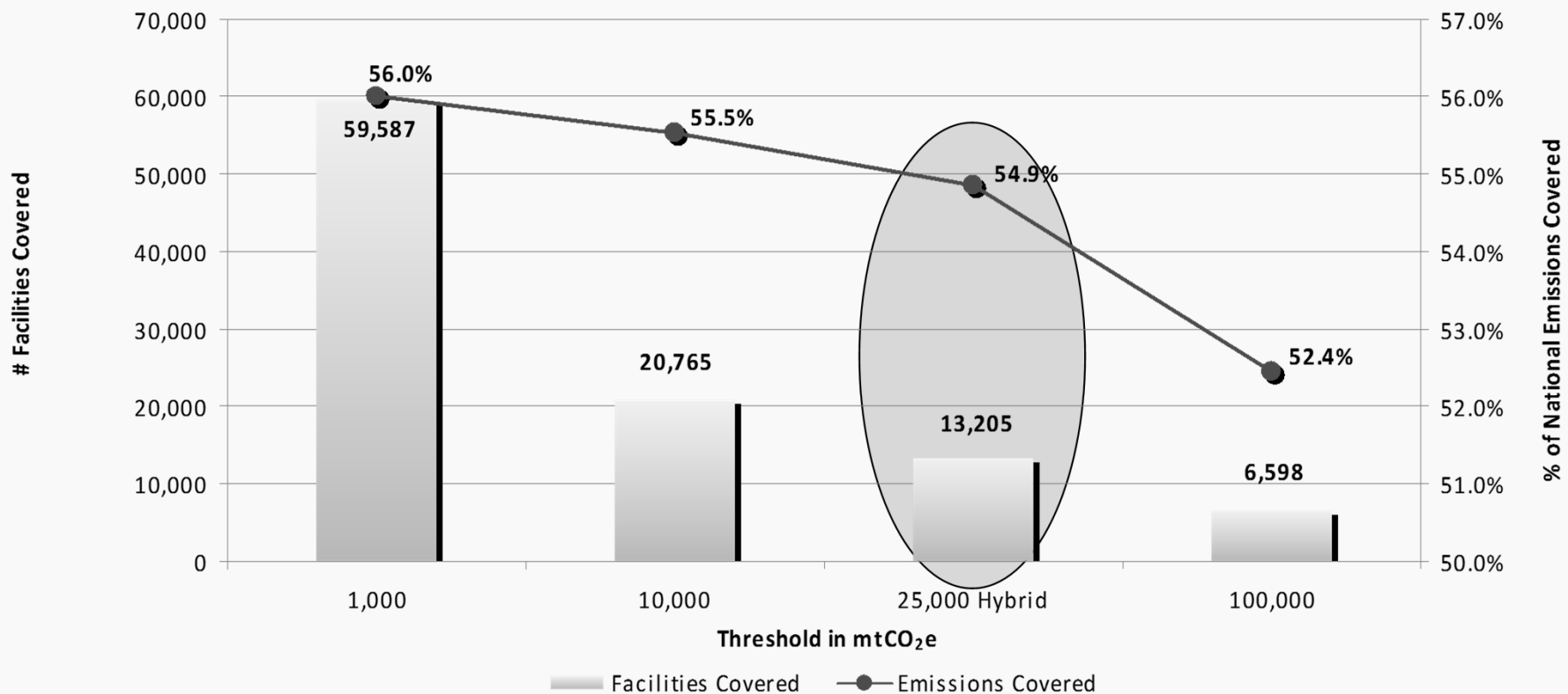
•12 source categories required to submit annual data to GHGRP starting with reporting year 2011. These additions will bring emissions coverage to ~85-90%.

Estimated Coverage



Downstream Facility and Emissions Coverage

- Emissions coverage is for downstream sources only. Including upstream sources increases emissions coverage by 30-35%
- Facility coverage represents both upstream and downstream sources



Source Categories Covered by the GHG Reporting Program



Power	Refining & Petrochem.	Other Chemicals	Combustion	Waste	Metals	Minerals	Pulp & Paper	High GWP Gases
<ul style="list-style-type: none"> -Electricity Generation - Electrical Equipment Mfg. - Use of Electrical Equip. 	<ul style="list-style-type: none"> - Petroleum Refineries - Petrochem. Production 	<ul style="list-style-type: none"> - Adipic Acid -Ammonia -Hydrogen Production - Nitric Acid - Titanium Dioxide - Phosphoric Acid 	<ul style="list-style-type: none"> - Stationary Combustion 	<ul style="list-style-type: none"> - Municipal Landfills - Industrial Waste Landfills - Waste Water Treatment 	<ul style="list-style-type: none"> - Aluminum - Ferroalloy - Iron & Steel - Lead - Zinc - Magnesium - Silicon Carbide 	<ul style="list-style-type: none"> - Cement - Glass - Lime - Misc. Carbonate Use - Soda Ash Production 	<ul style="list-style-type: none"> - Pulp & Paper 	<ul style="list-style-type: none"> - Fluorinated GHG Prod. - HCFC-22 Prod./HFC-23 Destruction - Electronics Mfg. - Pre-Charged Equip. Imp./Exp. - Suppliers of Industrial Gases
Petroleum & Natural Gas Systems – Direct Emissions			Fuel Suppliers			Carbon Capture & Sequestration		Mining
<ul style="list-style-type: none"> - Onshore Production - Offshore Production - Natural Gas Processing - Natural Gas Transmission/Compression - Natural Gas Distribution - Underground Natural Gas Storage - Liquefied Natural Gas Storage - Liquefied Natural Gas Import/Export 			<ul style="list-style-type: none"> - Coal based Liquid Suppliers - Petroleum Product Suppliers -Natural Gas Distribution Companies -Natural Gas Liquids Suppliers 			<ul style="list-style-type: none"> - Suppliers of CO2 - Injection of CO2 - Geologic Sequestration of CO2 		<ul style="list-style-type: none"> - Underground Coal Mines
								<div>Direct Emitters Suppliers CO2 Injection</div>

Stakeholder Outreach and Identifying Covered Reporters



- Existing data bases (e.g., Department of Commerce, Department of Energy, voluntary programs- Climate Leaders)
- Trade Associations
- Commercial data bases (e.g., Dun and Bradstreet)



Electronic Data Collection and Verification



Electronic GHG Reporting Tool



- EPA's electronic Greenhouse Gas Reporting Tool (e-GGRT)
- Web-based application for facilities/suppliers to report directly to EPA
- Secure data submission for registered reporters only
- Also includes option for direct data upload via XML
- Annual reports are electronically submitted

Electronic GHG Reporting Tool



Tab Navigation

Context-Sensitive Help

Cumulative GHG Calculator

Real-time Data Quality Feedback

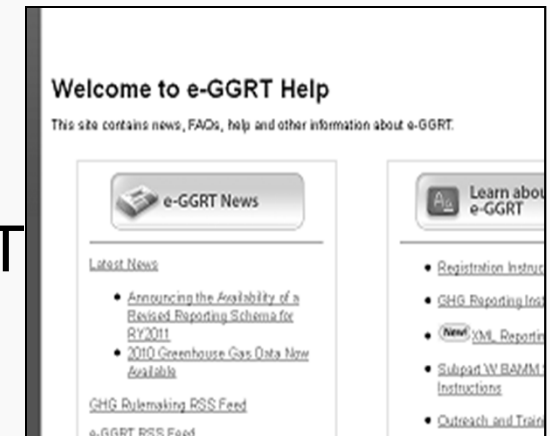
Rule Equations

The screenshot displays the EPA e-GGRT (Electronic Greenhouse Gas Reporting Tool) interface. At the top, the EPA logo and navigation tabs (HOME, FACILITY REGISTRATION, FACILITY MANAGEMENT, DATA REPORTING) are visible. The user is logged in as 'Hello, Kong Chiu'. The main content area is titled 'CHIUTEST_Facility' and 'Subpart NN: Suppliers of Natural Gas and Natural Gas Liquids (2011)'. It includes a 'CO₂ QUANTITIES CALCULATION' section with detailed instructions and a 'SUMMARY' section showing the equation for CO₂ calculation: $CO_{2i} = 1 \times 10^{-3} \cdot \text{Fuel} \cdot \text{HHV} \cdot \text{EF}$. A table at the bottom lists columns for Year, Product, Fuel, HHV, EF, and Calculated Result.

High Quality Data Begins with High Quality Submissions



- Comprehensive GHG Reporting Program Help Site
- Context-Sensitive Help within e-GGRT
- Staffed Help Desk
 - Received over 3,000 help desk requests during Reporting Year 2010 Season
- Training Webinars
 - Rule overviews, e-GGRT overviews, registration, testing and subpart webinars
- Stakeholder Testing of e-GGRT



Data Verification



- Electronic Verification
 - Pre-submittal checks in e-GGRT for reporters
 - EPA verification after submission using statistical checks
- EPA follow-up with reporters on potentially substantive errors
 - Secure communications via e-GGRT and phone follow-up
- Resubmissions by reporters, as needed
- EPA has the authority to conduct field audits



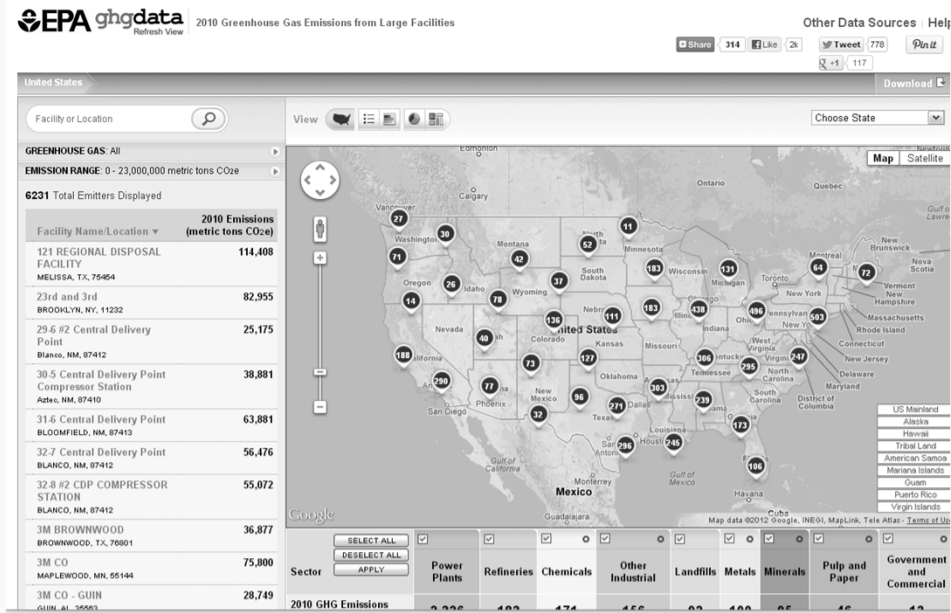
Data Publication

ghgdata

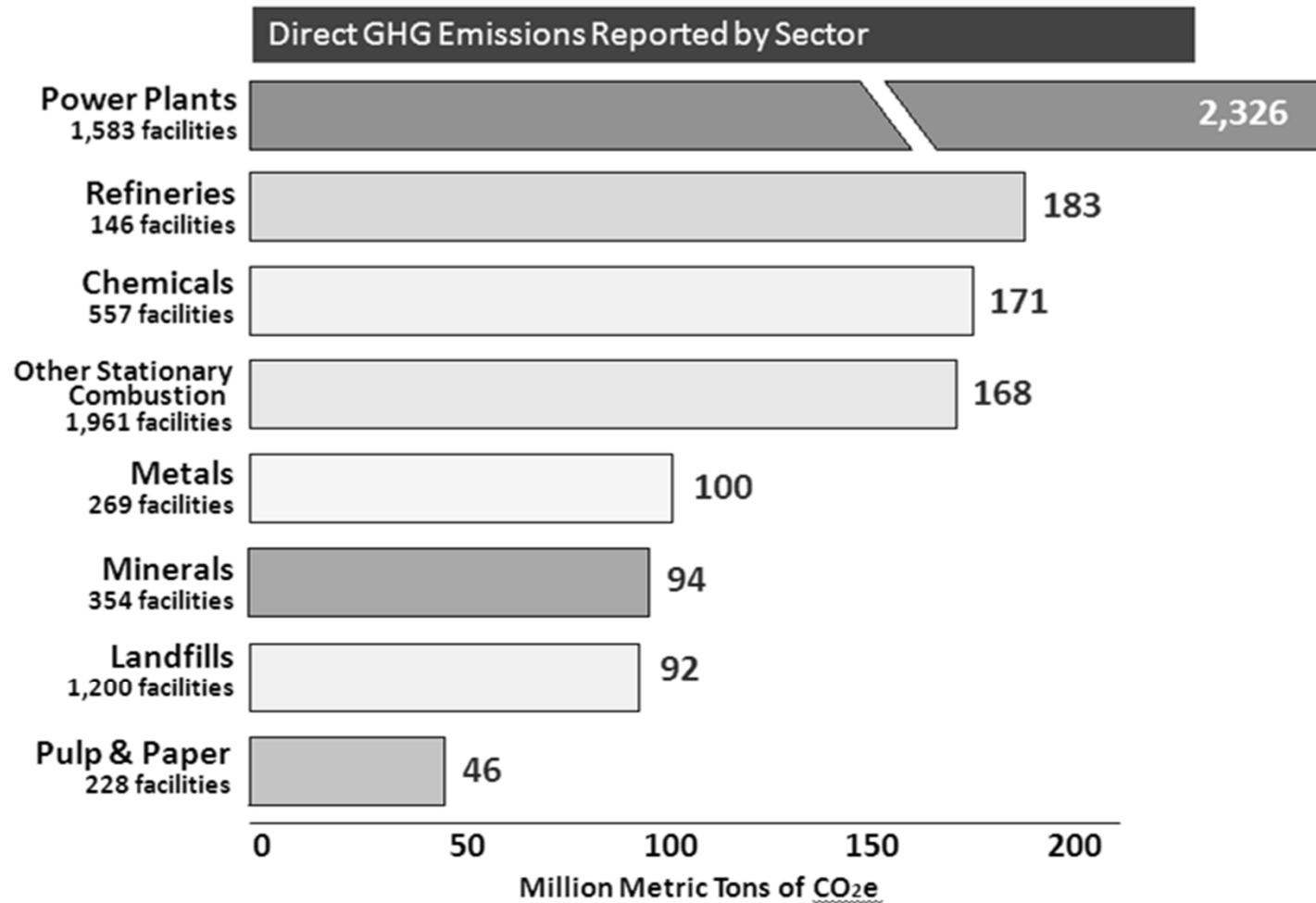
Data Publication Overview



- <http://ghgdata.epa.gov/ghgp/main.do>
- 2010 data published in January 2012
- Data publication website allows stakeholders and the public to access the key data elements quickly and easily and to sort data by location, sector, and by gas



Emissions by Sector- 2010



Looking to the Future



Sharing information, building partnerships, and creating opportunities

Developing and implementing GHG Reporting Program

- Collecting accurate GHG data and improving data quality
- Publishing GHG data

Using the GHG data

- Identifying sources of GHG emissions
- Helping businesses track emissions and find cost-saving efficiencies
- Providing information to the finance and investment communities

Informing program development

- Facilitating activities and programs at the Federal, State, and local levels

For More Information



GHG Reporting Program: www.epa.gov/ghgreporting

GHG Data Publication: ghgdata.epa.gov

Questions: GHGReporting@epa.gov

Live Demonstration of GHG Data Publication Tool



- <http://ghgdata.epa.gov>



Backup Slides in Lieu of Live Demonstration

Introductory Page



EPA ghgdata 2010 Greenhouse Gas Emissions from Large Facilities
Refresh View


Other Data Sources Help
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United States

Facility or Location View Choose State

Explore Greenhouse Gas (GHG) Emissions from Large Facilities

View US Facility Map



Start with all reporting facilities in the US.

View Facilities in Your State

Choose State

See all the reporting facilities in a chosen state.

Create a Custom Search

Find a Facility or Location

Find specific data on a facility or search by location.

Important Information about this Data Set

- This data set does not reflect total U.S. GHG emissions.
- The data was reported to EPA by facilities as of 08/15/2012. EPA continues to quality assure data and plans to release updated data periodically.
- Learn more about what is included in this data set and view related EPA GHG data sources.
- Visit our help section to learn about the features.

Inventory & Suppliers

Important Notes

Help Content

Facility Name/Location
121 REGIONAL DIS
FACILITY
MELISSA, TX, 75454
23rd and 3rd
BROOKLYN, NY, 11232
29-6 #2 Central De
Point
Blanco, NM, 87412
30-5 Central Deliv
Compressor Stat
Aztec, NM, 87410
31-6 Central Deliv
BLOOMFIELD, NM, 87413
32-7 Central Deliv
BLANCO, NM, 87412
32-8 #2 CDP COM
STATION
BLANCO, NM, 87412
3M BROWNWOOD
BROWNWOOD, TX, 76801

36,877

Google

SELECT ALL

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US GHG Inventory & Supplier Data



Greenhouse Gas Reporting Program Home

Basic Information

GHG Data

Help Center


For GHG Reporters

Site Map

You are here: EPA Home » Greenhouse Gas Reporting Program » Greenhouse Gas (GHG) Data » EPA GHG Emissions Data Sets


EPA GHG Emissions Data Sets

U.S. Greenhouse Gas Inventory



EPA develops the national greenhouse gas (GHG) inventory to track trends in total national GHG emissions and removals. The Inventory presents national estimates of GHG emissions starting in 1990 and for each subsequent year and is submitted to the United Nations in accordance with the Framework Convention on Climate Change. [EXIT Disclaimer](#) The Inventory is a comprehensive, sectoral level accounting of all human-related sources of greenhouse gas emissions in the United States. The emissions presented in the U.S. greenhouse gas inventory are generally based on national-level statistics.


Greenhouse Gas Emissions from Large Facilities



Through EPA's Greenhouse Gas Reporting Program, facilities that emit 25,000 metric tons or more per year of GHGs are required to annually report their GHG emissions to EPA. The facilities are known as direct emitters. The data reported by direct emitters provides a "bottom-up" accounting of the major sources of GHG emissions associated with stationary fuel combustion and industrial processes. Well over half of total U.S. greenhouse gas emissions are accounted for in this facility level data set, including nearly complete coverage of major emitting sectors such as power plants and refineries.

» View GHGRP data for direct emitters.

Greenhouse Gas Emissions Associated with Products Supplied



Under EPA's Greenhouse Gas Reporting Program, suppliers of certain fluorinated gases are required to report the GHG quantities that would result from the release, combustion, or oxidation of the products they supply to the economy. These fuels and industrial gases are not emitted from the supplier facility but instead distributed throughout the country and used. The majority of direct GHG emissions associated with the transportation, residential and commercial sectors are accounted for by these suppliers.

» View GHGRP data for suppliers.

[Top of Page](#)

Go to U.S. GHG Inventory

Return to Direct Emitter Data

View Supplier Data

Introductory Page



EPA ghgdata 2010 Greenhouse Gas Emissions from Large Facilities
Refresh View

Other Data Sources Help
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United States

Facility or Location View Choose State

Explore Greenhouse Gas (GHG) Emissions from Large Facilities

View US Facility Map



Start with all reporting facilities in the US.

View Facilities in Your State

Choose State

See all the reporting facilities in a chosen state.

Create a Custom Search

Find a Facility or Location

Find specific data on a facility or search by location.

Important Information about this Data Set

- This data set does not reflect total U.S. GHG emissions.
- The data was reported to EPA by facilities as of 08/15/2012. EPA assures data and plans to release updated data periodically.
- Learn more about what is included in this data set and view related EPA GHG data sources.
- Visit our help section to learn about the features.

Go to U.S. Map

Select a State

Custom Search

Date of Last Refresh

23rd and 3rd
BROOKLYN, NY, 11222

29-6 #2 Central Delivery
Point
Blanco, NM, 87412

30-5 Central Delivery
Compressor Station
Aztec, NM, 87410

31-6 Central Delivery
BLOOMFIELD, NM, 87413

32-7 Central Delivery
BLANCO, NM, 87412

32-8 #2 CDP COMPRESSION
STATION
BLANCO, NM, 87412

3M BROWNWOOD
BROWNWOOD, TX, 76801

36,877

Google

MEXICO Guadalajara

Cuba Havana

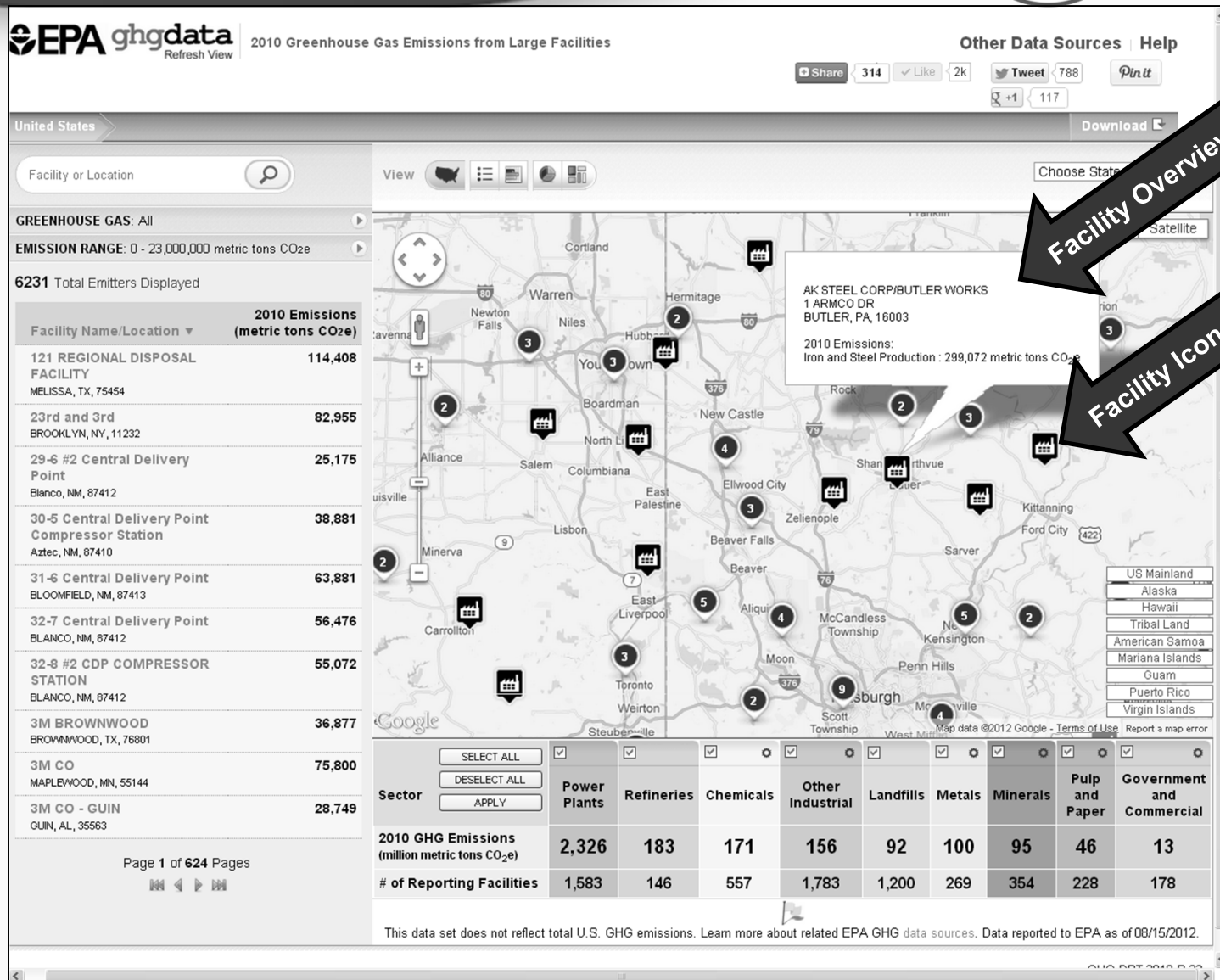
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SELECT ALL

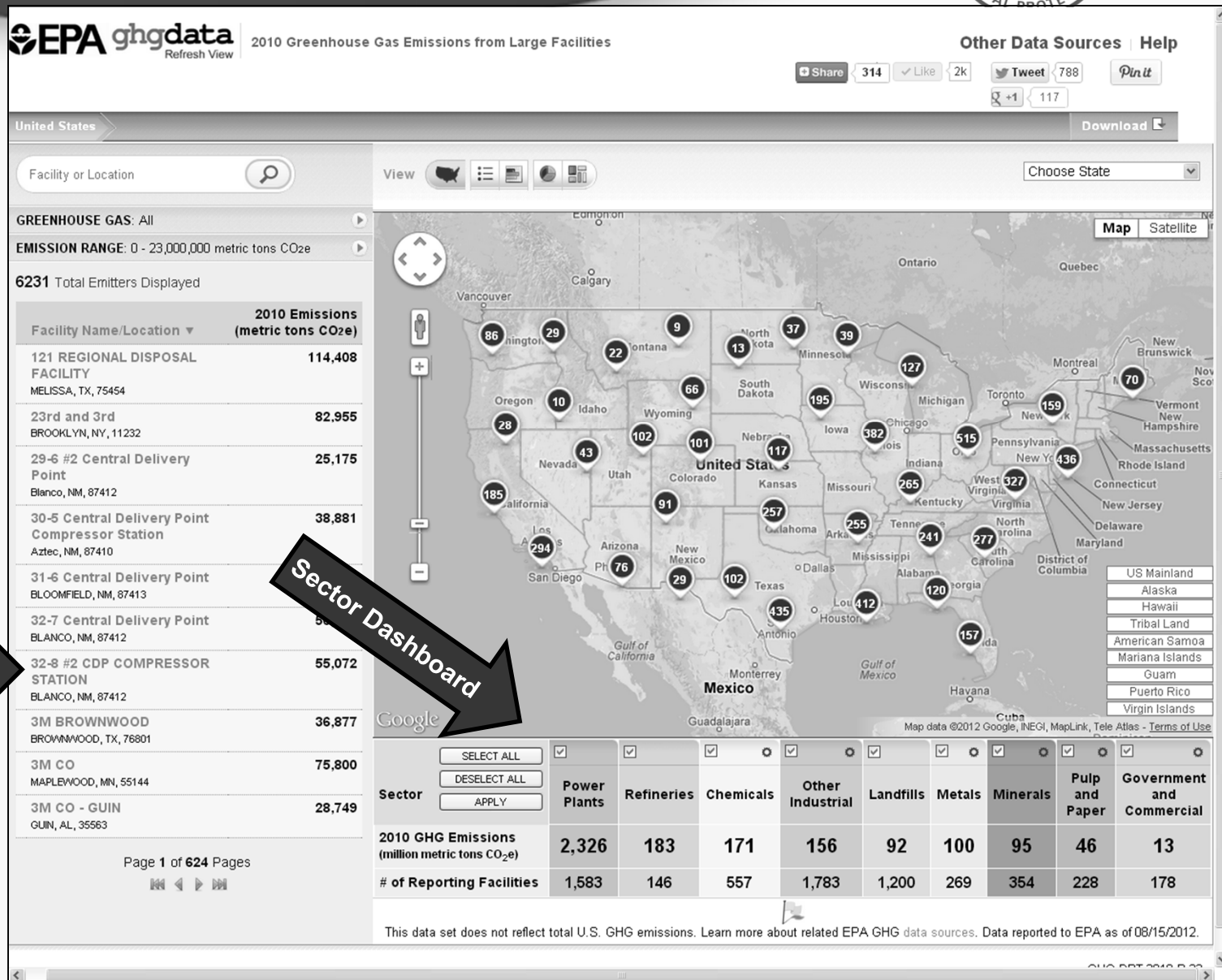
User Interface View



Isolate Individual Facilities

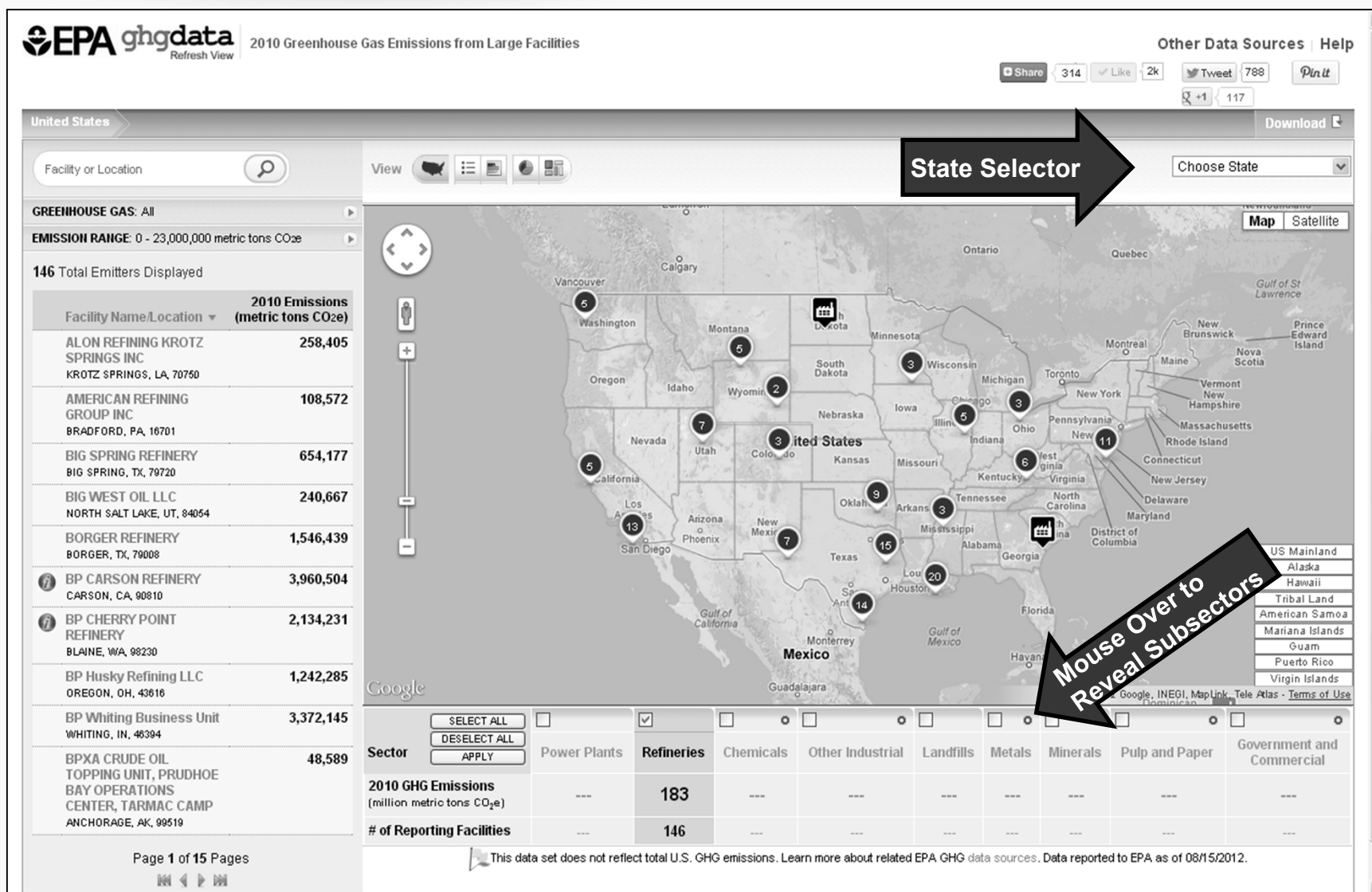


User Interface View

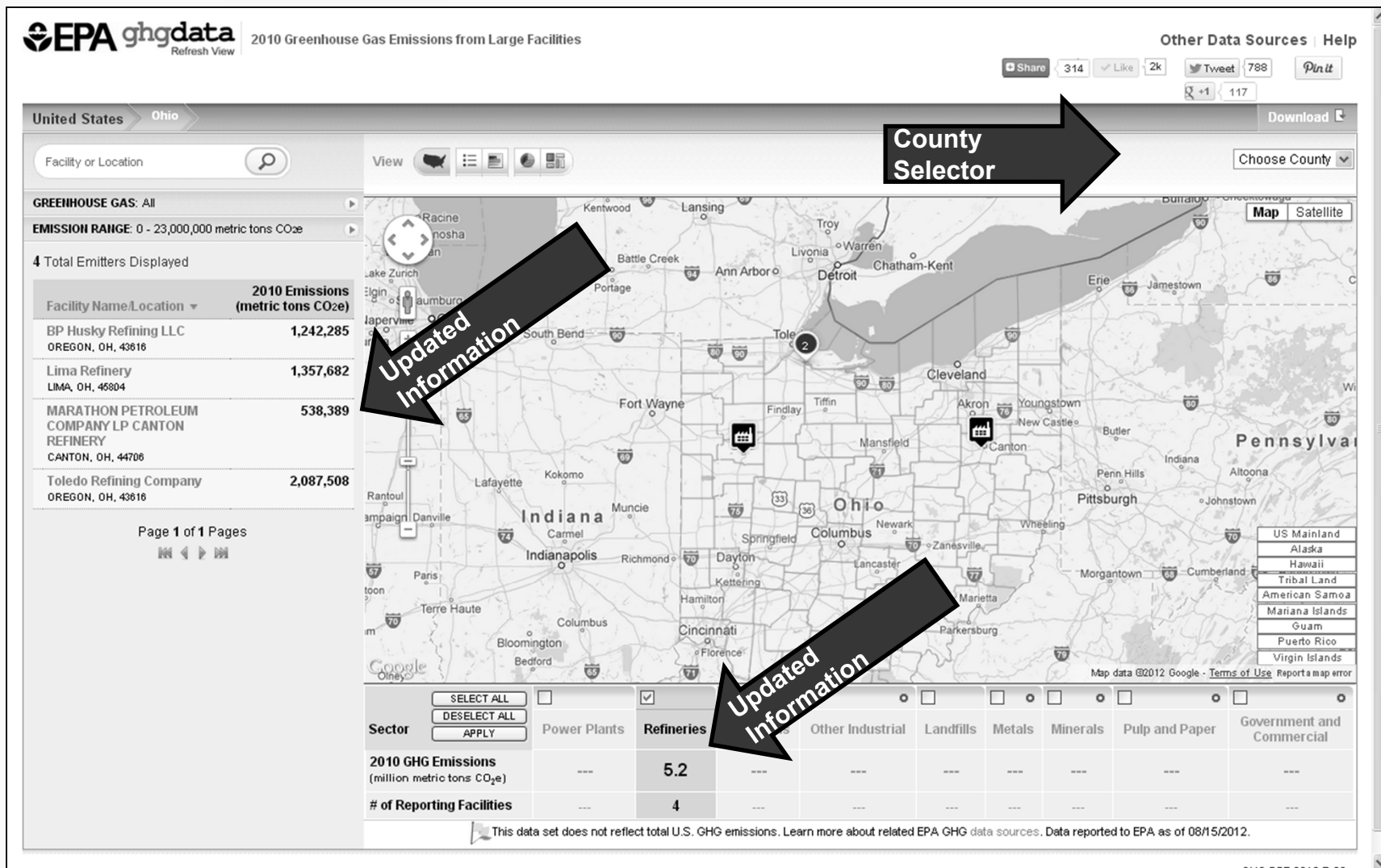


List of Emitters

All U.S. Refineries



Ohio Refineries



Facility Profile Screen



EPA ghgdata 2010 Greenhouse Gas Emissions from Large Facilities Other Data Sources | Help

United States Ohio Lucas Download

Facility or Location View Lucas

GREENHOUSE GAS: All

EMISSION RANGE: 0 - 23,000,000 metric tons CO₂e

2 Total Emitters Displayed

Facility Name/Location	2010 Emissions (metric tons CO ₂ e)
BP Husky Refining LLC OREGON, OH, 43616	1,242,285
Toledo Refining Company OREGON, OH, 43616	2,087,500

Page 1 of 1 Pages

BP Husky Refining LLC

4001 CEDAR POINT ROAD, OHIO
OREGON, OH, 43616

Latitude: 41° 39.69' N
Longitude: 83° 24.66' W

FRS Id: 110015374520
NAICS Code: 324110
Clean Air Markets Division Business Database Id: 8015
GHGRP Id: 1006078

View all Data **View reported data**

Total Facility Emissions in metric tons CO₂e (excluding Biogenic CO₂) 1,289,058

Emissions by Gas in metric tons CO₂e

Carbon Dioxide (CO ₂)	1,278,424
Methane (CH ₄)	7,164
Nitrous Oxide (N ₂ O)	3,470

Emissions by Source/Process in metric tons CO₂e (excluding Biogenic CO₂)

Stationary Combustion	843,017
Hydrogen Production	46,773
Petroleum Refining	399,268

Sector

SELECT ALL	DESELECT ALL	APPLY	Power Plants	Refineries	Chemicals	Other Industrial	Landfills	Metals	Minerals	Pulp and Paper	Government and Commercial
				<input checked="" type="checkbox"/>							
2010 GHG Emissions (million metric tons CO₂e)				3.3							
# of Reporting Facilities				2							

This data set does not reflect total U.S. GHG emissions. Learn more about related EPA GHG data sources. Data reported to EPA as of 08/15/2012.

GHG DPT 2010 R.32

Detailed Facility Data



Description of Changes to Calculation Methodology:
Description of Best Available Monitoring Methods Used:
Part 75 Biogenic Emissions Indication:
Primary NAICS Code: 324110
Second Primary NAICS Code:

Parent Company Details:

Parent Company Name: Husky Energy Inc.
Address: 707-8th Avenue SW, Box 6525, Station , Calgary, Alberta, Can, MT 00000
Percent Ownership Interest: 50
Parent Company Name: BP America Inc.
Address: 501 Westlake Park Boulevard, Houston, TX 77079
Percent Ownership Interest: 50

Subpart C: General Stationary Fuel Combustion

Gas Information Details

Gas Name	Other Gas Name	Gas Quantity	Own Result?
Biogenic Carbon dioxide		0 (Metric Tons)	
Methane		45.1 (Metric Tons)	
Nitrous Oxide		8.955 (Metric Tons)	
Carbon Dioxide		839293.8 (Metric Tons)	

Unit Details:

Unit Name : B031 Vac 1 Furnace

Unit Type : F (Furnace)

Individual Unit Details:

Maximum Rated Heat Input Capacity: 130 (mmBtu/hr)

Emission Details:

Annual Sorbent based CO2 Emissions (metric tons): 0.0

Annual Biogenic CO2 Emissions (metric tons): 0.0

Annual Fossil fuel based CO2 Emissions (metric tons):

Tier Fuel Details:

Fuel : Fuel Gas

Tier Name : Tier 3 (Equation C-5, gaseous fuel)

Tier Methodology Start Date : 2010-01-01

Tier Methodology End Date : 2010-12-31

Fuel Emission Details :

Total CO2 emissions	Total CH4 emissions	Total N2O emissions	Total CH4 emissions CO2e	Total N2O emissions CO2e
43854.5 (Metric Tons)	2.40 (Metric Tons)	0.480 (Metric Tons)	50.4 (Metric Tons)	148.8 (Metric Tons)

Carbon Content Substitute Data Information :

Total number of valid carbon content determinations : 364

Total number of carbon content substitute data values : 1

Frequency of carbon content determinations : Weekly

Total number of operating hours in the reporting year for which missing data substitution was used for fuel usage : 0

Molecular Weight Information :

Total number of valid molecular weight determinations : 364

Total number of molecular weight substitute data values : 1

Frequency of molecular weight determinations : Weekly

Unit Name : B013 Reformer 1 Regenerator Heater

Unit Type : PRH (Process Heater)

Individual Unit Details:

User Interface View



EPA ghgdata 2010 Greenhouse Gas Emissions from Large Facilities

Refresh View

Other Data Sources | Help

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Download

United States

Facility or Location

View

Choose State

Map Satellite

GREENHOUSE GAS: All

EMISSION RANGE: 0 - 23,000,000 metric tons CO₂e

6231 Total Emitters Displayed

Facility Name/Location	2010 Emissions (metric tons CO ₂ e)
121 REGIONAL DISPOSAL FACILITY MELISSA, TX, 75454	114,408
23rd and 3rd BROOKLYN, NY, 11232	82,955
29-6 #2 Central Delivery Point Blanco, NM, 87412	25,175
30-5 Central Delivery Point Compressor Station Aztec, NM, 87410	38,881
31-6 Central Delivery Point BLOOMFIELD, NM, 87413	63,881
32-7 Central Delivery Point BLANCO, NM, 87412	56,476
32-8 #2 CDP COMPRESSOR STATION BLANCO, NM, 87412	55,072
3M BROWNWOOD BROWNWOOD, TX, 76801	36,877
3M CO MAPLEWOOD, MN, 55144	75,800
3M CO - GUIN GUIN, AL, 35563	28,749

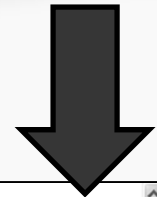
Page 1 of 624 Pages

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Sector	Power Plants	Refineries	Chemicals	Other Industrial	Landfills	Metals	Minerals	Pulp and Paper	Government and Commercial
2010 GHG Emissions (million metric tons CO ₂ e)	2,326	183	171	156	92	100	95	46	13
# of Reporting Facilities	1,583	146	557	1,783	1,200	269	354	228	178

This data set does not reflect total U.S. GHG emissions. Learn more about related EPA GHG data sources. Data reported to EPA as of 08/15/2012.

Philadelphia Facilities



EPA ghgdata 2010 Greenhouse Gas Emissions from Large Facilities
Refresh View

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Other Data Sources [Help](#)

United States

PHILADELPHIA

GREENHOUSE GAS: All

EMISSION RANGE: 0 - 23,000,000 metric tons CO₂e

12 Total Emitters Displayed

Facility Name/Location	2010 Emissions (metric tons CO ₂ e)
Grays Ferry Cogen Partnership PHILADELPHIA, PA, 19146	735,628
Honeywell Resins & Chemicals LLC PHILADELPHIA, PA, 19137	125,935
NEWMAN & CO PHILADELPHIA, PA, 19135	29,529
PAPERWORKS INDUSTRIES INC PHILADELPHIA, PA, 19127	58,021
PHILADELPHIA ROAD GENERATING BALTIMORE, MD, 21205	4,687
Philadelphia Refinery PHILADELPHIA, PA, 19145	2,966,842
Schuylkill PHILADELPHIA, PA, 19146	14,149
TEMPLE UNIVERSITY PHILADELPHIA, PA, 19122	36,862
TEMPLE UNIVERSITY HEALTH SCIENCES CAMPUS PHILADELPHIA, PA, 19140	30,768
The Children's Hospital of Philadelphia Philadelphia, PA, 19104	27,514

Page 1 of 2 Pages

Map [Satellite](#)

SELECT ALL **DESELECT ALL** **APPLY**

Sector	Power Plants	Refineries	Chemicals	Other Industrial	Landfills	Metals	Minerals	Pulp and Paper	Government and Commercial
2010 GHG Emissions (metric tons CO ₂ e)	844,376	2,966,842	125,935	0	0	0	0	87,550	95,144
# of Reporting Facilities	5	1	1	0	0	0	0	2	3

This data set does not reflect total U.S. GHG emissions. Learn more about related EPA GHG data sources. Data reported to EPA as of 08/15/2012.

Downloads Page



Reporting Program
Home

Basic Information

GHG Data

Help Center

For GHG Reporters

Site Map

Greenhouse Gas Data Sets

These files contain the publicly available data from the GHG Reporting Program for 2010. This data includes non-confidential data reported by facilities that directly emit GHGs. The files also contain non-confidential information reported by suppliers of fossil fuels and industrial gases. A limited subset of the supplier data has not been released and will be available in the coming weeks. All information reflects the most recent data submitted by facilities to EPA prior to **August 18, 2012**. Sign up for our RSS feed to be informed when updated data becomes available. This data set does not include data elements that are considered confidential business information or for which no confidentiality determinations have been made. EPA is not able to share confidential business information with the public.

- Download Summary 2010 GHG Data (XLSX, 1.2M) - This excel file contains the same information available in the Data Publication Tool. The file contains the most important, high-level information reported by direct emitters and suppliers and can be easily sorted to respond to many common queries.
- Download Parent Company Data (XLSX, 1.1M) - This excel file contains the name and location of each facility's highest-level United States parent company/companies as reported to EPA. Facilities report the parent company/companies that owned the facility on December 31st in the reporting year. Facilities report U.S. parent companies only. The file includes important information about interpretation of this data set.
- Download Aggregated GHG Data for Importers/Exporters of Petroleum Products (XLSX, 9K) - This excel file contains the total GHG quantity reported by *importers* and *exporters* of petroleum products (Subpart MM) as reported to the GHGRP for 2010.
- Download 2010 GHG Data - These files contain publicly available data reported by facilities to EPA under the Greenhouse Gas Reporting Program for 2010. These files include non-confidential data reported to EPA. Instructions for how to open these files in commonly used data analysis software are included.
 - Download 2010 GHG Data - One large file (ZIP, 6M) - This zip file contains one large XML file which houses all data that has been determined to be non-confidential as reported by facilities in the following industry types: Stationary Fuel Combustion (C), Electricity Generation (D), Ammonia Manufacturing (G), Cement Production (H), Ferroalloy Production (K), Glass Production (N), Hydrogen Production (P), Iron and Steel Production (Q), Lime Manufacturing (S non-CEMS), Petrochemical Production (X), Petroleum Refineries (Y), Pulp and Paper Manufacturing (AA), Municipal Solid Waste Landfills (HH), Suppliers of Natural Gas and Natural Gas Liquids (NN) and Suppliers of Carbon Dioxide (PP). This file is available in XML format, a commonly used data format for transferring large, complex data sets. Users unfamiliar with XML should use the HTML files referenced below.
 - Download 2010 GHG Data - By Industry Type (ZIP, 40M) - This zip file includes HTML and XML files for each facility in the subparts listed above, categorized by subpart. HTML files are easily readable using

GHG Data

- GHG Data Sets
- GHG Data Frequent Questions
- GHGRP 2010: Reported Data (as of 4/6/12)
 - Power Plants
 - Refineries
 - Chemical Manufacturing
 - Other Industrial
 - Landfills
 - Metals
 - Minerals
 - Pulp and Paper
 - Government and Commercial

List View



2010 Greenhouse Gas Emissions from Large Facilities

Other Data Sources | Help

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United States

Facility or Location

View

View by Geography Facility

Choose State

GREENHOUSE GAS: All

EMISSION RANGE: 0 - 23,000,000 metric tons CO₂e

6231 Total Emitters Displayed

Facility Name/Location	2010 Emissions (metric tons CO ₂ e)
121 REGIONAL DISPOSAL FACILITY MELISSA, TX, 75454	114,408
23rd and 3rd BROOKLYN, NY, 11232	82,955
29-6 #2 Central Delivery Point Blanco, NM, 87412	25,175
30-5 Central Delivery Point Compressor Station Aztec, NM, 87410	38,881
31-6 Central Delivery Point BLOOMFIELD, NM, 87413	63,881
32-7 Central Delivery Point BLANCO, NM, 87412	56,476
32-8 #2 CDP COMPRESSOR STATION BLANCO, NM, 87412	55,072
3M BROWNWOOD BROWNWOOD, TX, 76801	36,877
3M CO MAPLEWOOD, MN, 55144	75,800
3M CO - GUIN GUIN, AL, 35563	28,749

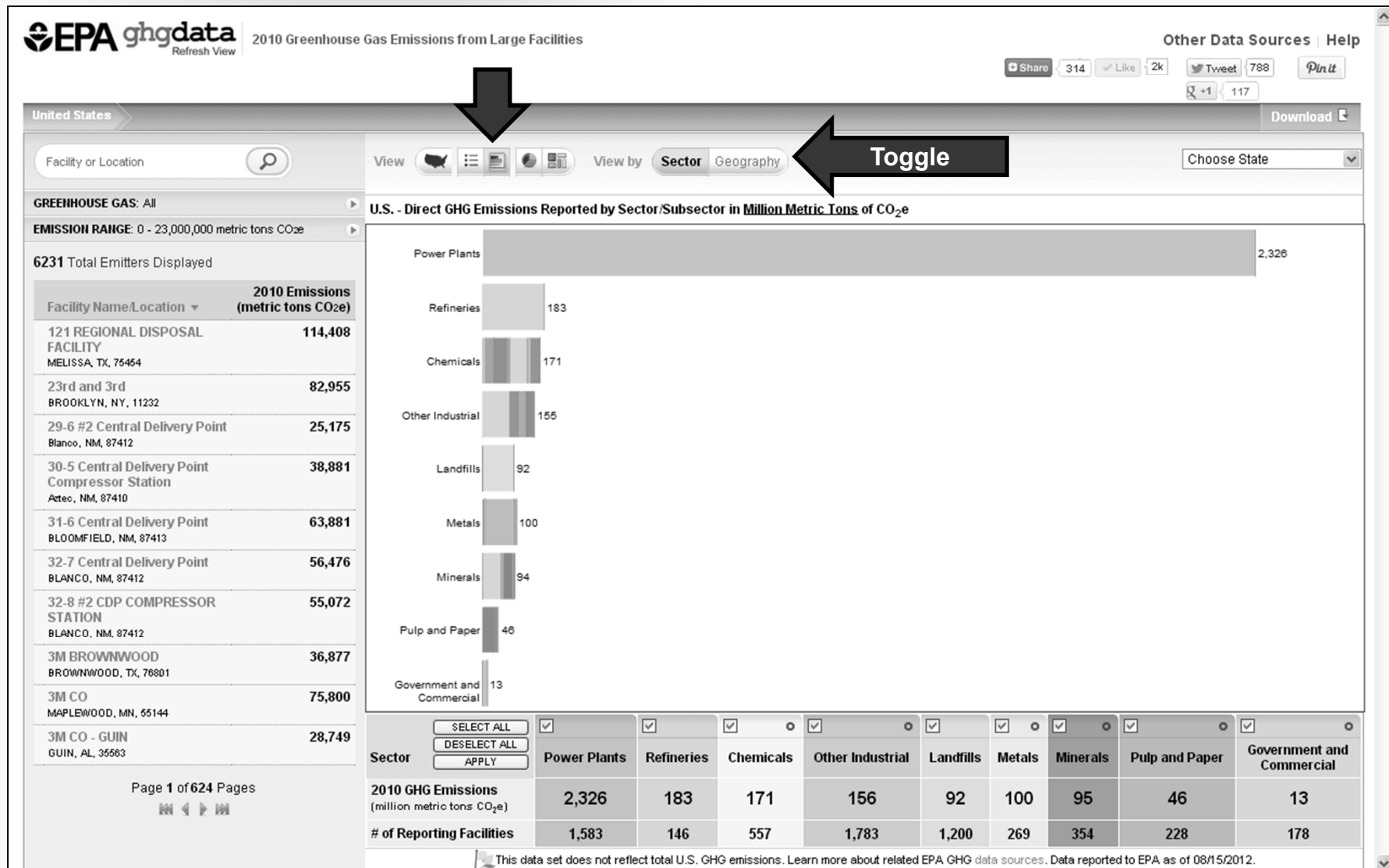
Facility	City	State	Total Reported Emissions	Sectors
121 REGIONAL DISPOSAL FACILITY	MELISSA	TX	114,408	Landfills
23rd and 3rd	BROOKLYN	NY	82,955	Power Plants
29-6 #2 Central Delivery Point	Blanco	NM	25,175	Other Industrial
30-5 Central Delivery Point Compressor Station	Aztec	NM	38,881	Other Industrial
31-6 Central Delivery Point	BLOOMFIELD	NM	63,881	Other Industrial
32-7 Central Delivery Point	BLANCO	NM	56,476	Other Industrial
32-8 #2 CDP COMPRESSOR STATION	BLANCO	NM	55,072	Other Industrial
3M BROWNWOOD	BROWNWOOD	TX	36,877	Minerals
3M CO	MAPLEWOOD	MN	75,800	Other Industrial
3M CO - GUIN	GUIN	AL	28,749	Minerals
3M CO - WAUSAU DOWNTOWN	WAUSAU	WI	26,047	Other Industrial
3M COMPANY	DECATUR	AL	50,945	Chemicals
3M CORDOVA	CORDOVA	IL	28,986	Chemicals
3M Cottage Grove Center - Site	Cottage Grove	MN	44,518	Minerals
3M INDUSTRIAL MINERAL PRODUCTS DIVISION	LITTLE ROCK	AR	28,191	Other Industrial
3M MAGNETIC TAPE MANUFACTURING DIVISION	HUTCHINSON	MN	40,695	Pulp and Paper
3M NEVADA PLANT	NEVADA	MO	29,569	Chemicals
48th Street Peaking Station	HOLLAND	MI	20,079	Power Plants
58TH ST LF (MAIN COUNTY LF)	MIAMI	FL	94,874	Landfills
59th Street	NEW YORK	NY	271,658	Power Plants
60TH ST WWTP	HOUSTON	TX	27,212	Other Industrial
74th Street	NEW YORK	NY	387,593	Power Plants
A B Brown Generating Station	MOUNT VERNON	IN	2,187,925	Power Plants
A B Paterson	NEW ORLEANS	LA	0	
AAP ST MARYS CORP	SAINT MARYS	OH	27,550	Other Industrial
ABBOTT NUTRITION	STURGIS	MI	27,761	Other Industrial

Sector	Power Plants	Refineries	Chemicals	Other Industrial	Landfills	Metals	Minerals	Pulp and Paper	Government and Commercial
2010 GHG Emissions (million metric tons CO ₂ e)	2,326	183	171	156	92	100	95	46	13
# of Reporting Facilities	1,583	146	557	1,783	1,200	269	354	228	178

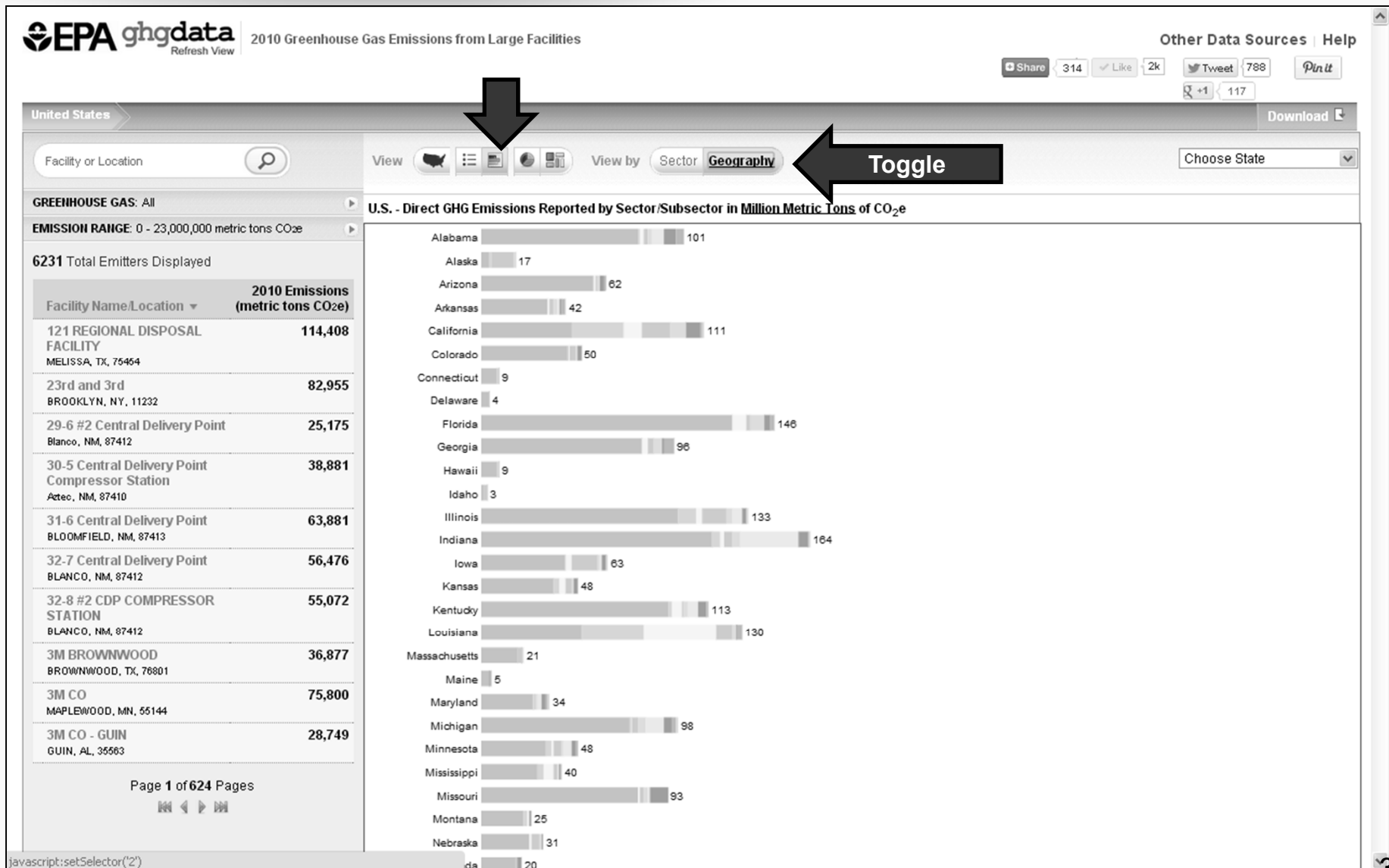
This data set does not reflect total U.S. GHG emissions. Learn more about related EPA GHG data sources. Data reported to EPA as of 08/15/2012.

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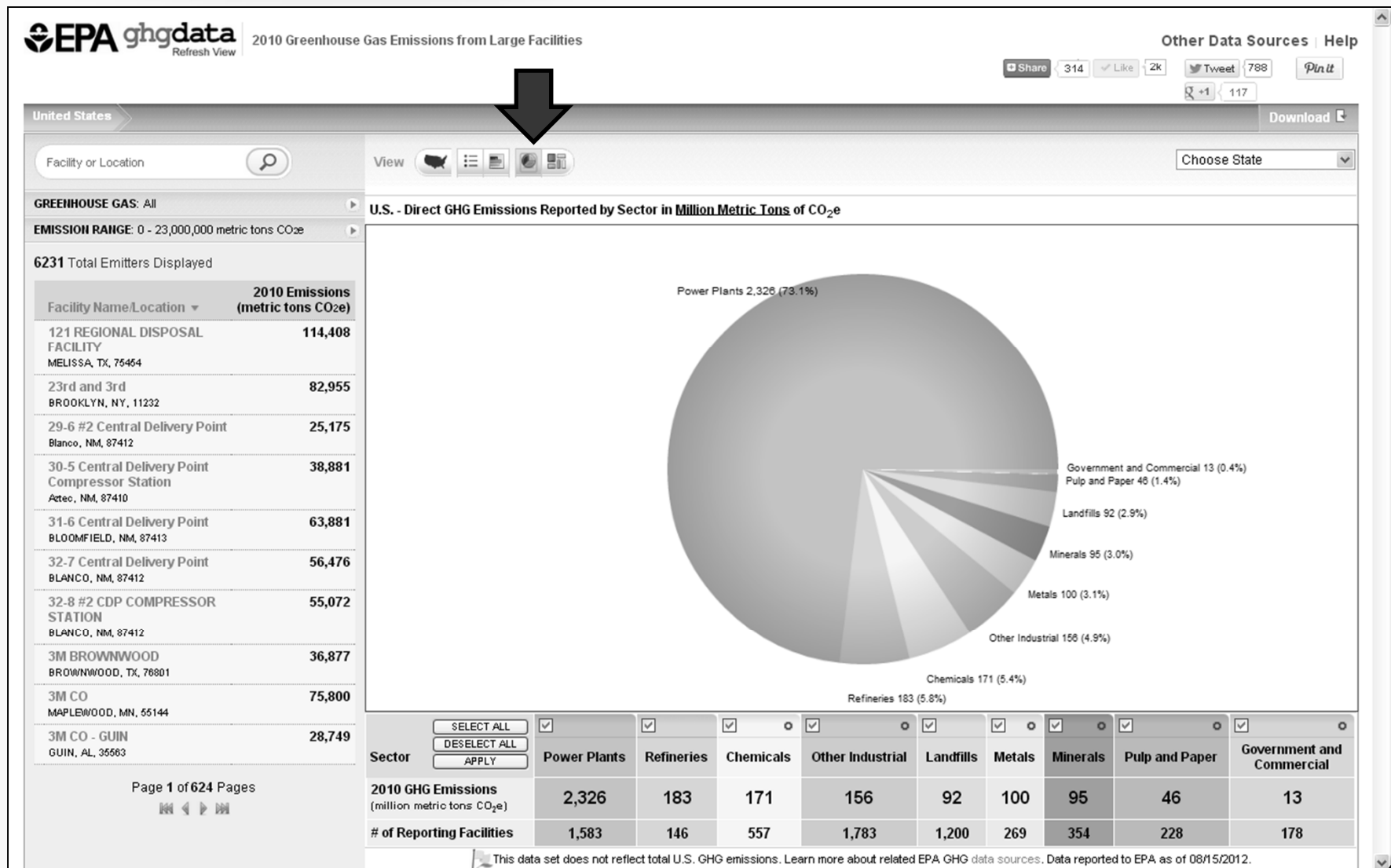
Bar Chart – By Industry



Bar Chart – By State



Pie Chart



Suppliers Home Page



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United States

Facility or Location

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0 Total Suppliers Displayed

Supplier 2010 GHG Quantity (metric)

Explore Greenhouse Gas (GHG) Quantities from Suppliers

Choose a Sector

Choose Sector

See all the suppliers reporting in the sector of your choice.

Create a Search

Find specific data on suppliers or search by location.

Choose Supplier Type

Important Information about this Data Set

- Suppliers are facilities or entities that supply certain products (e.g., fossil fuels or certain industrial gases) into the economy that, when combusted, released, or oxidized, result in GHG emissions. The emissions do not take place at the suppliers' reporting location.
- The data was reported to EPA by suppliers as of 08/15/2012, with the exception of suppliers of petroleum products. The data reported by suppliers of petroleum products was reported as of 04/06/2012. EPA continues to quality assure data and plans to release updated data periodically.
- Learn more about what is included in this data set and view related EPA GHG data sources.
- Visit our help section to learn about the features.

US Mainland
Alaska
Hawaii
Tribal Land
American Samoa
Mariana Islands
Guam
Puerto Rico
Virgin Islands

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epa.gov/ghgreporting/ghgdata/ghgdatasets.html

Gas Distribution Companies



2010 Product Suppliers

Other Data Sources | Help

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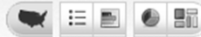
117

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United States

Facility or Location

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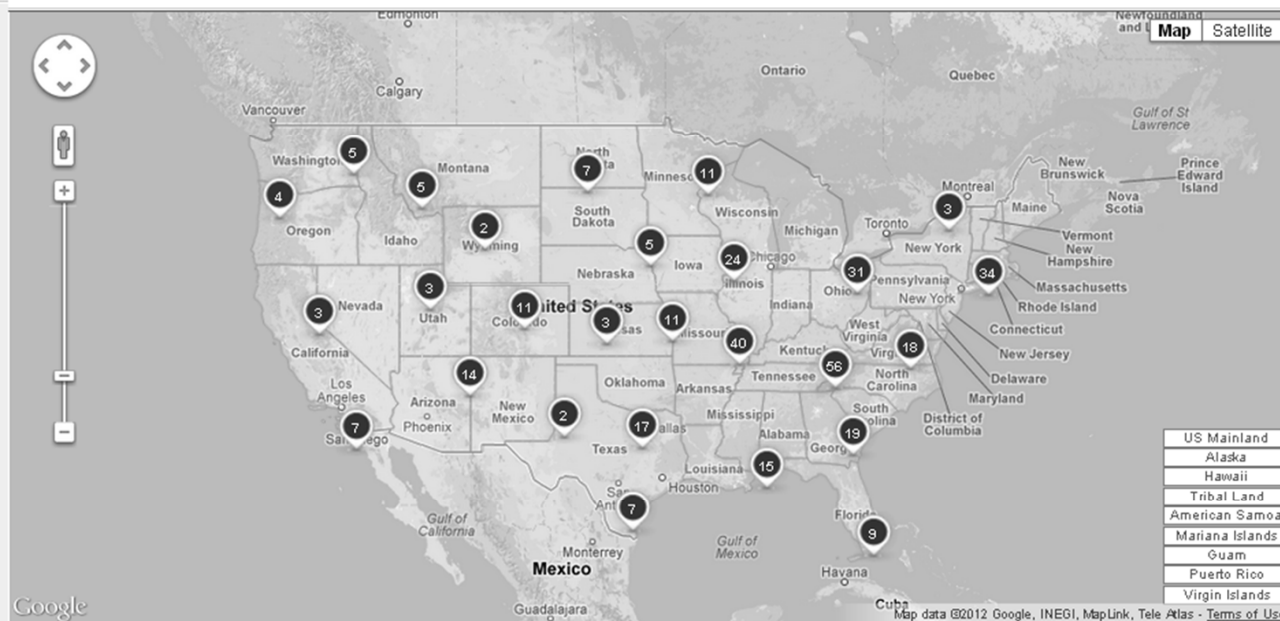


Local Distribution Companies

369 Total Suppliers Displayed

Supplier	2010 GHG Quantity (metric tons CO ₂ e)
Alabama Gas Corporation BIRMINGHAM, AL, 35203	4,387,840
Ameren Illinois Peoria, IL, 61602	8,911,145
Ameren Missouri St. Louis, MO, 63103	918,704
Arkansas Oklahoma Gas Corp (AR) Fort Smith, AR, 72903	628,910
Atlanta Gas Light Company Atlanta, GA, 30309	12,705,888
Atmos Energy Dallas, TX, 75240	372,965
Atmos Energy Corporation - Colorado Dallas, TX, 75240	987,312
Atmos Energy Corporation - Georgia Dallas, TX, 75240	454,881
Atmos Energy Corporation - Illinois Dallas, TX, 75240	173,260
Atmos Energy Corporation - Iowa Dallas, TX, 75240	177,838

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